



INSTRUCTION BULLETIN

No. 340537
Machine: 7400
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Rev. 00

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in your machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save you the cost of ordering an entire kit.

NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

Installation instructions for **kit number 398478**

DESCRIPTION:

This kit contains the parts needed to install/replace the hydraulic cooling fan motor on the model 7400 scrubber. The new hydraulic cooling fan motor 369812 provides increased engine cooling with a fan speed 10-12% faster than standard.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 2 hours)

PREPARATION:

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake. Then turn off machine and remove key.

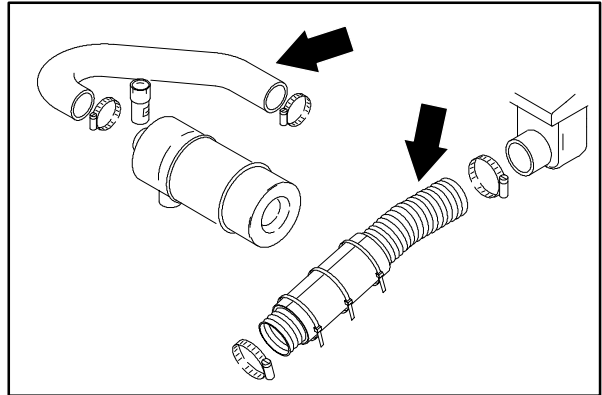
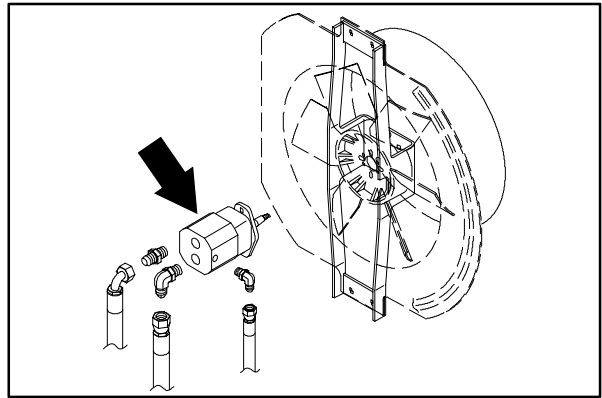
HYDRAULIC PRINCIPLES:

1. Cleanliness is extremely important when working with hydraulic components. Work in a clean, dust-free area. Dirt or foreign material in hydraulic systems can impair operation and damage equipment.
2. Before disconnecting hydraulic hoses or fittings, thoroughly clean outside of hydraulic component to prevent dirt from entering system.
3. Mark hydraulic hoses and record locations for proper installation.
4. Cap disconnected hoses or open ports to keep dirt out of system.
5. Discard any hydraulic fluid drained from the system. Use only new, approved hydraulic fluid to replenish hydraulic reservoir.
6. Flush hose and fittings at pressure port of hydraulic component with air, solvent or hydraulic fluid to help avoid contamination.

TO REPLACE ENGINE COOLING FAN HYDRAULIC MOTOR

FOR SAFETY: Before Leaving Or Servicing Machine; Stop On Level Surface, Set Parking Brake, Turn Off Machine And Remove Key.

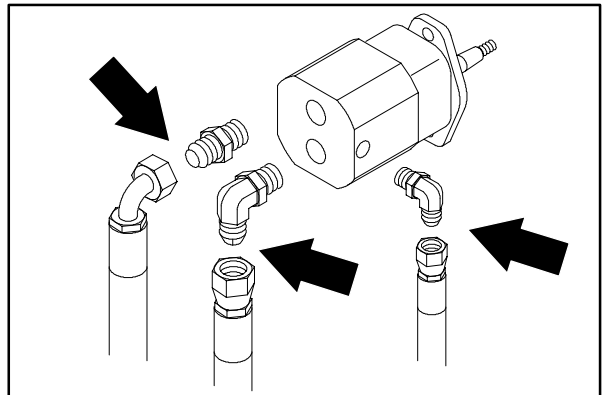
1. Open the engine cover and side door.
2. Remove the hose from the vacuum fan and recovery tank.
3. Remove the air cleaner hose from the air cleaner and carburetor.



4. Mark, disconnect, and plug the three hydraulic hoses going to the fan motor 71719.

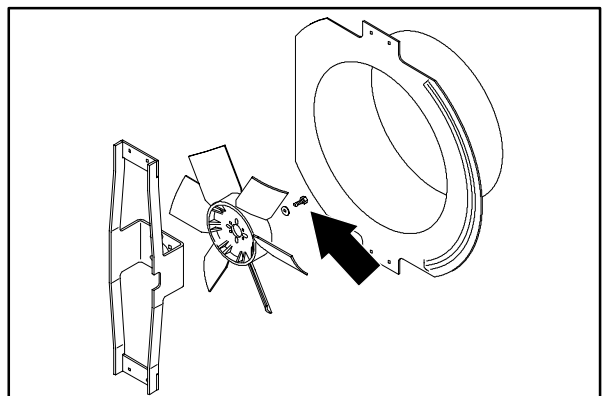
NOTE: Observe hydraulic cleanliness requirements when opening hydraulic lines.

5. Remove the hydraulic fittings from the fan motor. Note the orientation of the fittings for proper reassembly in the new motor.



6. Reach in through the fan blades and remove the four M6 hex screws holding the fan blade to the motor hub. Set the fan blade down in the fan air chamber.
7. Remove the 5/16 in. nut and washer holding the fan blade hub to the motor shaft. Remove the hub from the shaft. Retain the square key from the motor shaft.

NOTE: The fan blade hub is on a tapered shaft and may need to be pried off the motor.

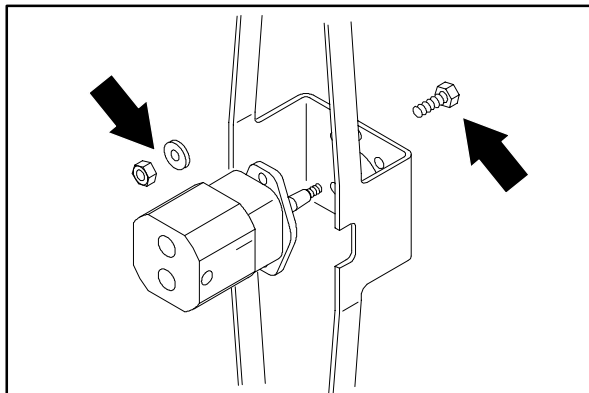


8. Remove the two M10 hex screws and nyloc nuts holding the fan motor 71719 to the mount bracket. Remove the fan motor 71719 from the machine.
9. Install the new fan motor 369812 on the mount bracket. Reinstall the M10 hex screws and nyloc nuts (nylocs positioned on the motor side). Tighten to 37 - 48 Nm (26 - 34 ft lb).

NOTE: The notch in the mount bracket is for the motor fitting.

10. Install the square key on the fan motor 369812 shaft.

NOTE: A small amount of super glue helps keep the key in place when installing the fan hub.

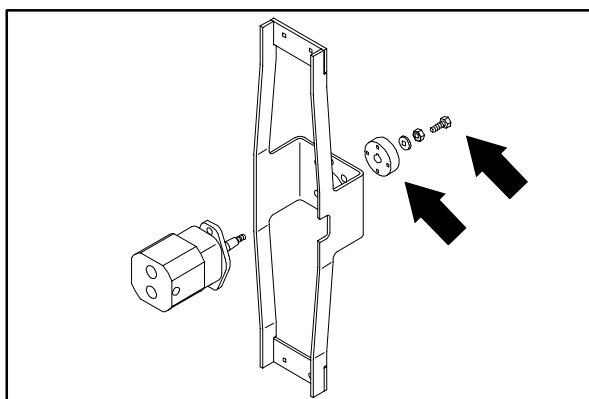


11. Install the fan hub on the motor 369812 shaft. Reinstall the 5/16 in. nut and tighten to 18 - 24 Nm (15 - 20 ft lb).

NOTE: Make sure key is in place on motor shaft.

12. Reinstall the fan blade back on the fan hub. The deep side of the fan blade points to the back of the machine. Reinstall the four M6 hex screws and tighten to 7.9 - 9.9 Nm (6 - 7 ft lb).

13. Reinstall the hydraulic fittings in the fan motor 369812 in the same orientation as they were removed.



14. Reconnect the hydraulic hoses to the fan motor 369812. See schematic in this section.
15. Reinstall the air cleaner hose and vacuum fan hose.
16. Reconnect the engine cover outer gas spring to lower ball.
17. Start the machine and check for leaks. Check the engine fan for proper rotation (air blows out the back of machine).

BILL OF MATERIALS FOR COOLING FAN MOTOR MOD. KIT 398478

Ref.	TENNANT Part No.	Description	Qty.
1	369812	Motor, Hyd gear EX, 0.32	1

TENNANT COMPANY
P. O. Box 1452
Minneapolis, MN 55440-1452